

PATENT  
Serial No. 10/507,132  
Amendment in Reply to Final Office Action of May 16, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A reflector lamp with a light source contained within a hollow discharge vessel having an extended tail end, a main reflector, a neck portion extending from said main reflector, and at least one primary reflector which is configured to provide ~~an at least substantial~~ reflection through the light source onto the main reflector of those light portions originating from the light source which propagate in the ~~a~~ direction of optically inactivated regions of the main reflector or regions of the main reflector obscured by other objects, wherein ~~at least a portion of said at least one primary reflector is located within said neck portion~~ the at least one primary reflector covers a portion of the hollow discharge vessel but does not substantially cover the tail end, and wherein the tail end extends in the direction of the optically inactivated regions of the main reflector.

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2. (Previously Presented) The reflector lamp as claimed in claim 1, wherein said optically inactivated regions are formed by a through passage in the main reflector which is provided for a lamp comprising the light source.

3. (Previously Presented) The reflector lamp as claimed in claim 1, wherein said objects are fastening means, cooling means, ignition means, or other means provided for activating and/or operating the light source.

4. (Previously Presented) The reflector lamp as claimed in claim 1, wherein the primary reflector is formed by an optically reflecting coating which is provided on a surface of a lamp comprising the light source.

5. (Previously Presented) The reflector lamp as claimed in claim 4, wherein the optically reflecting coating is formed by a metal layer or by a plurality of dielectric layers or dichroic filters.

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6. (Currently Amended) The reflector lamp as claimed in claim 1, further comprising a reflector body with a reflector portion supporting the main reflector, said neck portion being configured for introducing a lamp comprising the light source, such that the geometric continuation of the main reflector passes through the ~~a~~ burner of the lamp.

7. (Previously Presented) The reflector lamp as claimed in claim 1, further comprising a reflector body with a reflector portion supporting the main reflector, said neck portion being configured for introducing a lamp comprising the light source.

8. (Previously Presented) The reflector lamp as claimed in claim 1, wherein the light source is an arc discharge in a high-pressure gas discharge lamp.

9. (Previously Presented) A projection system with at least one reflector lamp as claimed in claim 1.

10. (Currently Amended) A lamp comprising:

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a substantially ellipsoid-shaped discharge vessel configured to sustain a discharge;

a vessel reflector at least partially covering said substantially ellipsoid-shaped discharge vessel;

a reflection portion covered with a further reflector; and

a neck portion extending from said reflection portion;

wherein at least a portion of said substantially ellipsoid-shaped discharge vessel is located within said neck portion.

11. (Previously Presented) The lamp of claim 10, wherein at least a portion of said vessel reflector is located within said neck portion.

12. (Previously Presented) The lamp of claim 10, wherein a geometric continuation of the further reflector passes through the discharge vessel.

13. (Currently Amended) A lamp comprising:

a substantially ellipsoid-shapedan envelope configured to include a light source;

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an envelope reflector at least partially covering said  
substantially ellipsoid-shaped envelope;

a reflection portion covered with a further reflector; and

a neck portion extending from said reflection portion;

wherein at least a portion of said discharge  
vessel substantially ellipsoid-shaped envelope is located within  
said neck portion.

14. (Previously Presented) The lamp of claim 13, wherein at least  
a portion of said envelope reflector is located within said neck  
portion.

15. (Previously Presented) The lamp of claim 13, wherein a  
geometric continuation of the further reflector passes through the  
envelope.

16. (New) The lamp of Claim 10, wherein the substantially  
ellipsoid-shaped discharge vessel comprises an extended tail end,  
wherein the vessel reflector covers a portion of the substantially  
ellipsoid-shaped discharge vessel but does not substantially cover

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the tail end, and wherein the tail end extends in a direction of optically inactivated regions of the further reflector.

17. (New) The lamp of Claim 13, wherein the substantially ellipsoid-shaped envelop comprises an extended tail end, wherein the envelop reflector covers a portion of the substantially ellipsoid-shaped envelop but does not substantially cover the tail end, and wherein the tail end extends in a direction of optically inactivated regions of the further reflector.